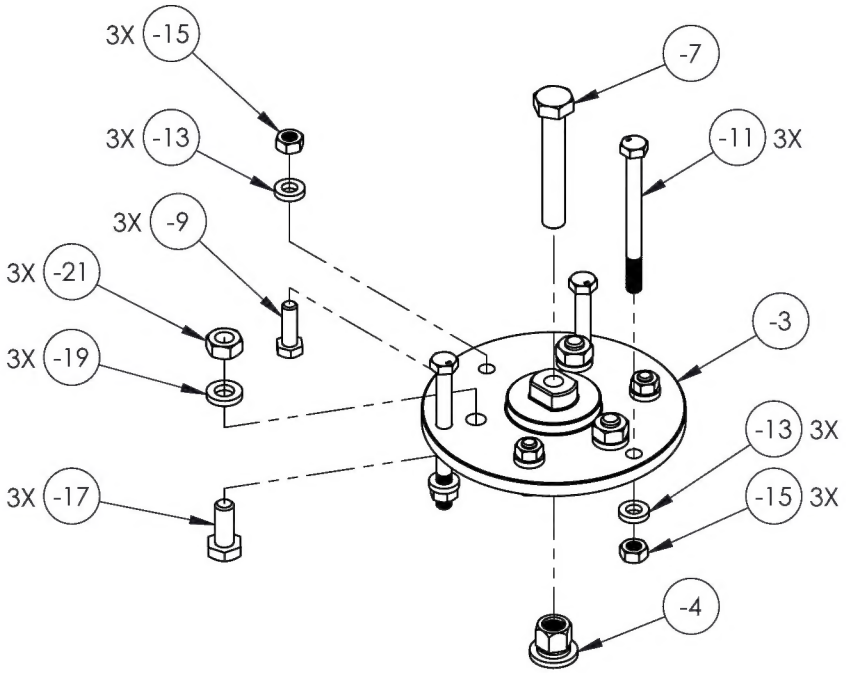
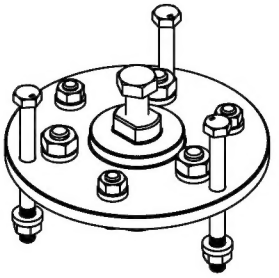
REVISIONS

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	UPDATED TO NEW STANDARD. ADDED EC635, H135 TO USED ON MODELS. **-3 -5 -7** ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. **-3** CH'D DIMS WAS Ø5.508 IS Ø5.50, WAS Ø.985 IS Ø.99. DELETED DIMS 3X 120°, 6X 120°. ADDED DIM 60° TYP. **-4** ADDED TO BOM. ADDED DRAWING. **-5** CH'D DIM WAS Ø.998 IS Ø1.00, WAS Ø.693 IS Ø.69, WAS .098 IS .10, WAS .125 IS .13, WAS .484 IS .48, WAS Ø.073 IS Ø.07. **-7** CH'D DESCRIPTION WAS HEX HEAD CAP SCREW IS BOLT. CH'D B/O REF WAS #91280A010 IS (FASTENAL #0159018). CH'D DIMS WAS 2.925 IS 2.93, WAS Ø.375 DEPTH .125 IS Ø.20 ↧.13, WAS M12 X 1.75 IS (M12 X 1.75 - 6h). **-9** CH'D B/O REF WAS #91310A535 IS (#90854A167). **-11** CH'D B/O REF WAS #91310A562 IS (#91280A560). **-15** CH'D B/O REF WAS #90685A045 IS (#90591A161). **-17** CH'D B/O REF WAS #91310A626 IS (#90854A189). **-21** CH'D B/O REF WAS #90685A046 IS (#92497A450).	8/29/2016	DEW	JAG





ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-3	1	PLATE	1018/1020 CR		2
	X		-4	1	SWIVEL PAD ASSEMBLY			3
	1		-5		PAD	1018/1020 CR		4
			-7	1	BOLT	STEEL	M12 X 1.75mm X 75mm (FASTENAL #0159018) MODIFIED	5
		B/O	-9	3	HEX HEAD CAP SCREW	STEEL	M8 x 1.25mm x 25mm (MCMASTER-CARR #90854A167)	1
		B/O	-11	3	HEX HEAD CAP SCREW	STEEL	M8 X 1.25mm X 90mm (MCMASTER-CARR #91280A560)	1
		B/O	-13	6	FLAT WASHER	STEEL	M8 (MCMASTER-CARR #98035A105)	1
		B/O	-15	6	HEX NUT	STEEL	M8 X 1.25mm (MCMASTER-CARR #90591A161)	1
		B/O	-17	3	HEX HEAD CAP SCREW	STEEL	M10 X 1.5mm (MCMASTER-CARR #90854A189)	1
		B/O	-19	3	FLAT WASHER	STEEL	M10 (MCMASTER-CARR #98035A106)	1
		B/O	-21	3	HEX NUT	STEEL	M10 X 1.5mm (MCMASTER-CARR #92497A450)	1
	1		-23		SWIVEL NUT	STEEL	M12 X 1.75 (CARR LANE #CLM-12-SN) MODIFIED	3
	ASSY -4							

NOTE:
REFERENCE AIRBUS T/N: 1X56137180.

DART AEROSPACE

TITLE: PULLER

DWG NO.: RBE1X56-137-180 REV: 2

MAT'L
HEAT TREAT
FINISH
SPEC

DRAWN BY: CLOUGH
CHECKED: DUERFELDT
OPPS APPR: ANDERSON
QA APPR: LINDSAY
APPROVED: GILBERT

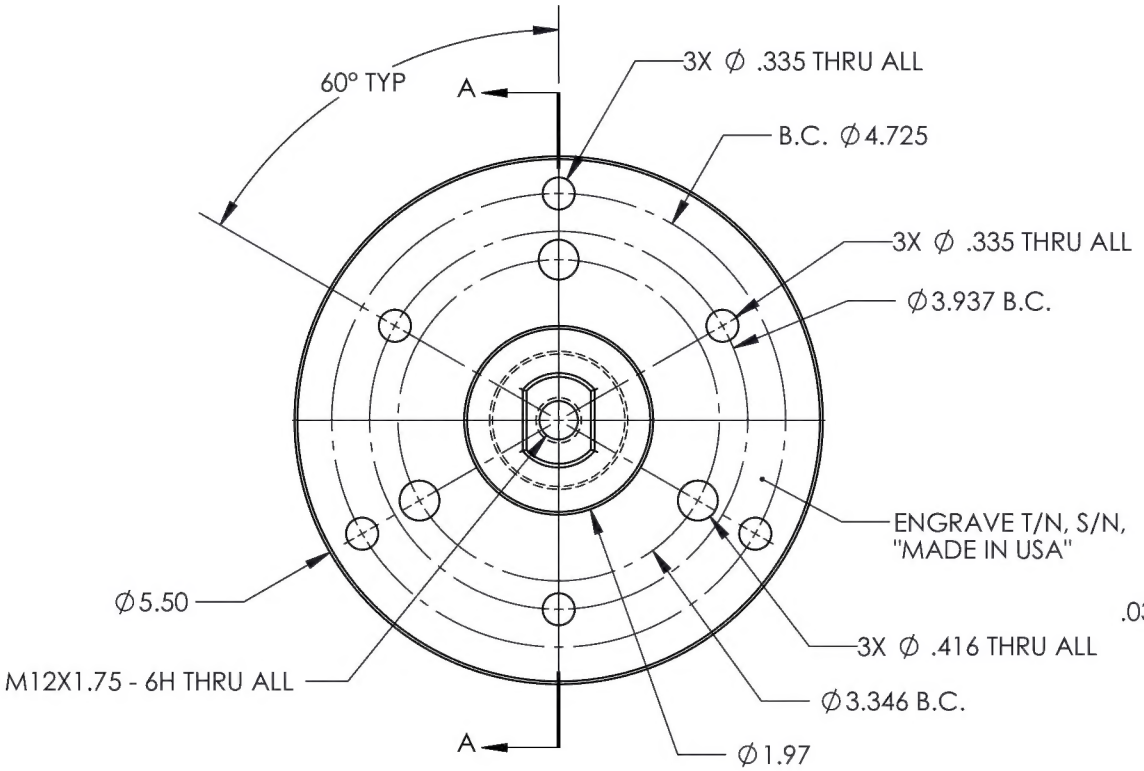
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

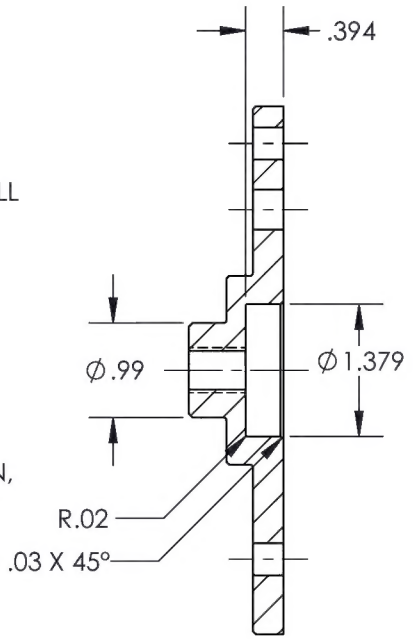
USED ON MODEL: EC135, EC635, H135

SCALE 1:4 DATE 7/8/2010 SHEET 1 OF 5

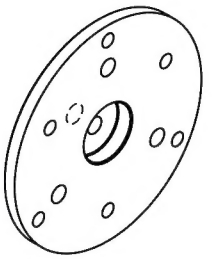
REVISIONS

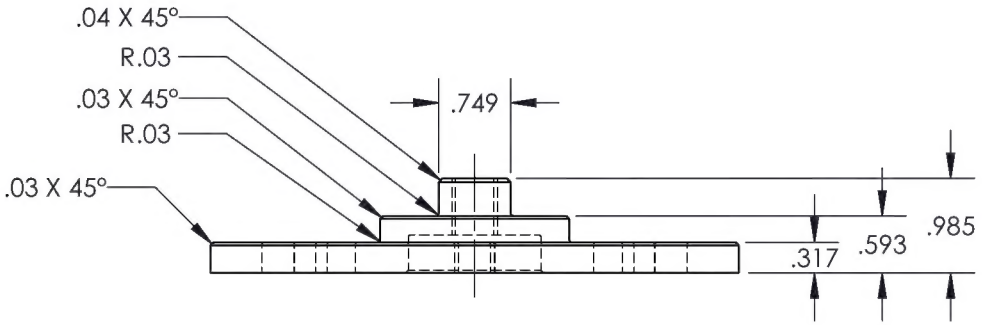
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	**-3** CH'D DIMS WAS Ø5.508 IS Ø5.50, WAS Ø.985 IS Ø.99. DELETED DIMS 3X 120°, 6X 120°. ADDED DIM 60° TYP. ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	8/29/2016	DEW	JAG





SECTION A-A





-3

PLATE

DART AEROSPACE

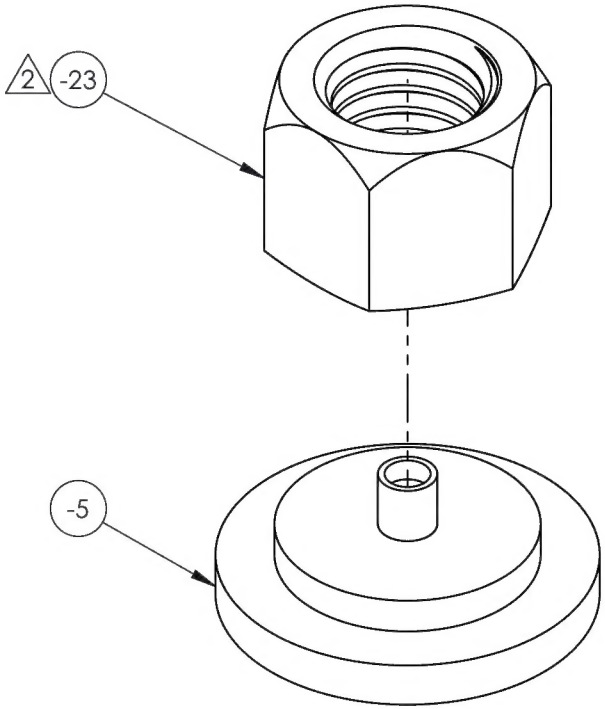
TITLE	PULLER
DWG NO.	RBE1X56-137-180-3
REV	2
MAT'L	1018/1020 CR
HEAT TREAT	
FINISH	BLACK OXIDE
SPEC	QMSI-6.2.2, B.O. REV D
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:2
DATE	7/8/2010
SHEET	2 OF 5

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

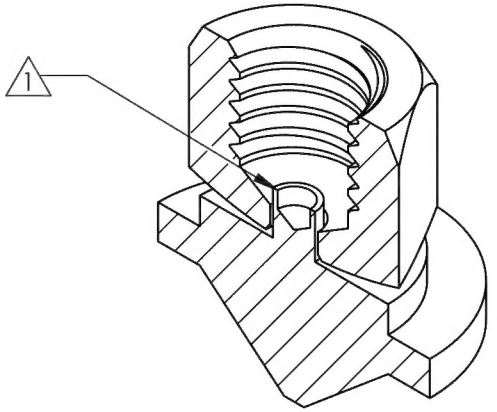
USED ON MODEL
EC135, EC635, H135

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	**-4** ADDED TO BOM. ADDED DRAWING.	8/29/2016	DPD	JAG



(-4)

SWIVEL PAD ASSEMBLY



NOTE:

1. PEEN OVER LIP OF -5 PAD AFTER ASSEMBLY WITH -23 SWIVEL NUT. MUST ROTATE FREELY.
2. REMOVE OEM SWIVEL FOOT FROM -23 SWIVEL NUT IN A WAY TO NOT CAUSE DAMAGE TO HEX NUT PORTION.

DART AEROSPACE

TITLE	PULLER
DWG NO.	RBE1X56-137-180-4
REV	2
MAT'L	
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	2:1
DATE	7/8/2010
SHEET	3 OF 5

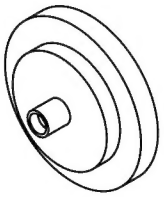
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

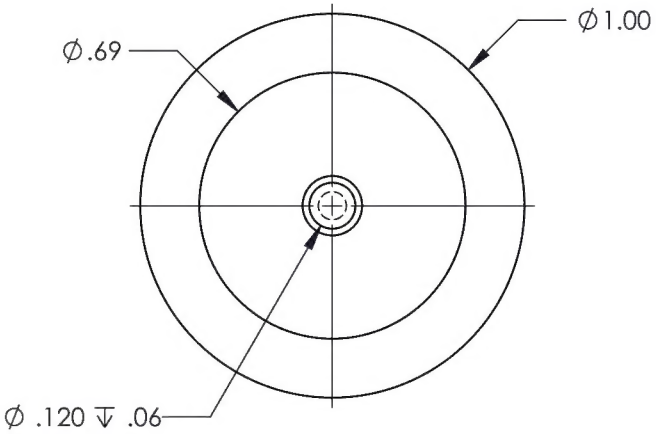
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

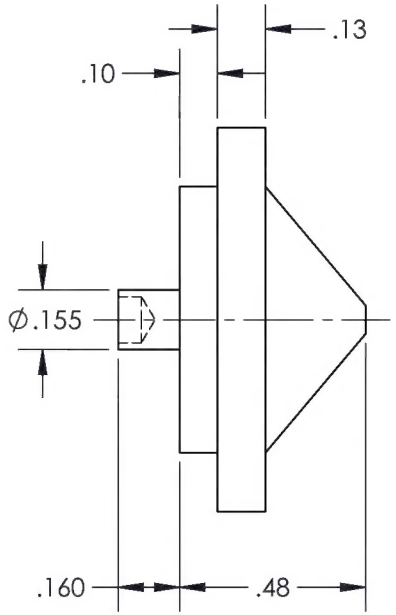
USED ON MODEL

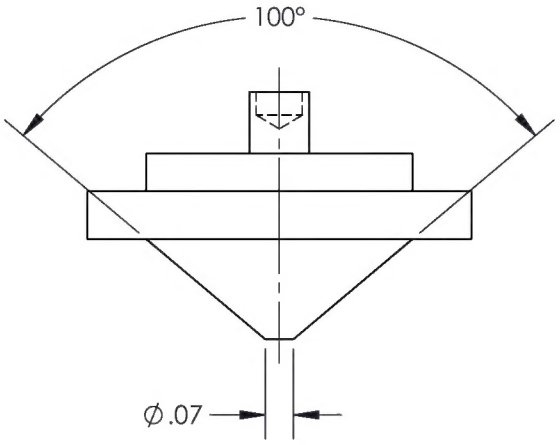
EC135, EC635, H135

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	**-5** CH'D DIM WAS Ø.998 IS Ø1.00, WAS Ø.693 IS Ø.69, WAS .098 IS .10, WAS .125 IS .13, WAS .484 IS .48, WAS Ø.073 IS Ø.07. ADDED FINISH SPEC QMSI-6.2.2 B.O. REV D.	8/29/2016	DEW	JAG









-5

PAD

DART AEROSPACE

TITLE: PULLER

DWG NO. RBE1X56-137-180-5 REV 2

MAT'L	1018/1020 CR
HEAT TREAT	
FINISH	BLACK OXIDE
SPEC	QMSI-6.2.2, B.O. REV D
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT

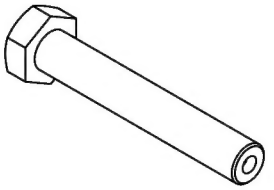
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125√

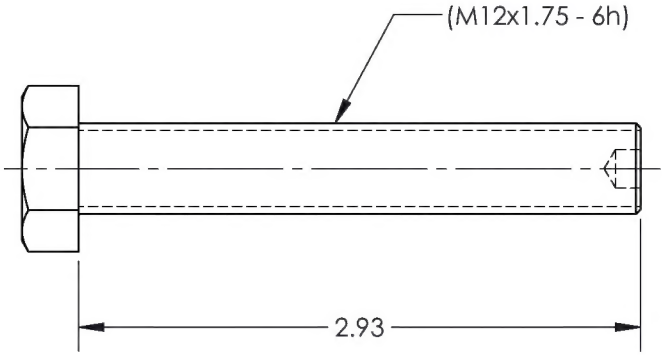
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

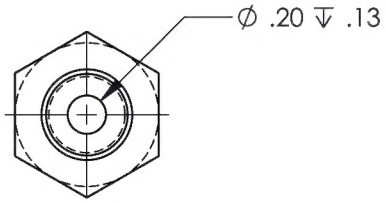
USED ON MODEL: EC135, EC635, H135

SCALE 2:1 | DATE 7/8/2010 | SHEET 4 OF 5

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	**-7** CH'D DIMS WAS 2.925 IS 2.93, WAS ⌀.375 DEPTH .125 IS ⌀.20 ↧.13, WAS M12 X 1.75 IS (M12 X 1.75 - 6h). ADDED SPEC QMSI-6.2.2, B.O. REV D.	8/29/2016	DEW	JAG







-7

BOLT

DART AEROSPACE

TITLE: PULLER

DWG NO. RBE1X56-137-180-7 REV 2

MAT'L	STEEL
HEAT TREAT	
FINISH	BLACK OXIDE
SPEC	QMSI-6.2.2, B.O. REV D
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL: EC135, EC635, H135

SCALE 1:1 | DATE 7/8/2010 | SHEET 5 OF 5